PASSAIC VALLEY SEWERAGE COMMISSIONERS
APPLICATION FOR LETTER OF AUTHORIZATION
AND / OR
CONTRACTUAL INDIRECT DISCHARGE AGREEMENT

SECTION A

Check One

XX Groundwater Cleanup

Well Pump Test

Construction Water

Storm Water

Other list

1. Name of Company / or Property applying for discharge: PSE&G

2. Location: 2000 Frank E. Rodgers Boulevard, Harrison, NJ

3. Mailing Address: 80 Park Plaza, Mail code: T17, Newark, New Jersey 07102

4. Person to contact concerning information provided in this application:

   Name of Contact Official: Brent O'Dell, P.E., DEE

   Title: Principal Engineer

   Address: 242 Princeton Avenue, Suite 113, Hamilton, NJ 08619

   Phone#: 609- 936-0700

   Fax#: 609-689-2838

Dan Goest.
(609) 936-0700

5. If consultant is being used for this discharge provide:

Name: MACTEC Engineering and Consulting, inc.

Address: 242 Princeton Avenue, Suite 113, Hamilton, New Jersey, 08619

Phone: 609-936-0700

Fax#: 609-689-2838

Contact: Brent O'Dell, P.E., DEE

6. Person or Company responsible for payment of Treatment Fee and /or Connection Fee:

Name: PSE&G

Address: 80 Park Plaza, Mail code: T17, Newark, New Jersey 07102

Phone#: 973-430-7816 (Frank V. Cielo)

Fax#: 973-242-8064

7. Does Company have NJPDES Permit? Yes - No; If yes, list all: (include whether the Permit is for a discharge to surface water or to groundwater):

NO

7a. If the answer to #7 was yes, why is application being made to discharge the wastewater to the sanitary sewer?

SECTION B

Brief Description of Operation:

1. What type of operation resulted in the contamination, and what are the expected contaminants?: Former Manufactured Gas Plant (MGP), Contaminants are included with historical lab report provided as attachment.

2. What is the anticipated duration of discharge? Less than one (1) year

3, Is there an existing sewer connection on site? Yes - No, If no, explain how wastewater will be conveyed to the sewer? YES

(Discharge must enter a combined or sanitary sewer only)

4. What is the total amount of volume expected to be discharged: Less than 100,000 GPD

5. What is the estimated average daily flow in (gallons per minute) GPM: 90 GPM
(Note: Non-resettable meter must be used to measure the volume)

6. Describe any pretreatment expected to be used to treat the waste stream:
Oil/water separator followed by a Granulated Activated Carbon (GAC) treatment.

7. Provide a description of the final sample point (Example: Sample point is located in building #1 in the discharge pit).

A sample point will be located prior to the system non-resettable flow meter

SECTION C

1. Attach Diagram of the Property showing:

   a. Discharge location
   b. Treatment system
   c. Sample point(s) (PVSC requires accessibility to install a sampler)
   d. Non-resettable flow meter
   e. Identify well or well #'s being pumped.

   Attached to this Application

2. Details of connection (s) to the municipal (or PVSC) sewer, including the distance and direction of each connection from the nearest street intersection.
Attached to this Application

2 a. Is or was an NJDEP Treatment Works Approval (TWA) required (Yes or No)? If so, was it submitted to PVSC? Yes, Attached to this Application

SECTION D

1. **Analysis of wastewater expected to be discharged. If wastewater will be pretreated, analyze sample after pretreatment.**

The system is not operational at this time and will be temporary.

Parameter	Results (mg/1) Report to the nearest hundredth: O.XX Except where indicated. Example: 0.36 mg/1
(Cd) Cadmium	
(Cu) Copper	
(Pb) Lead	
(Ni) Nickel	
9Zn) Zinc	
(He) Mercury *{Report to Q.XXX)*	
(Mo) Molybdenum	
Chlorides	
(BOD) Biochemical Oxygen Demand	
(Report to XXX.)	
(TSS) Total Suspended Solids	
(Report to XXX,}	
(pH) Standard Units	
(TPH) Total Petroleum Hydrocarbons	
(VOC) Volatile Organic Compounds	

A copy of the previous groundwater analytical results prior to treatment are attached to this application

Note: Analysis of discharge parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Company is required to submit all certified lab analyses. Analysis sheets for VOC must identify all analyses individually and must be reported to the method detection levels. PVSC reserves the right to require additional analyses if it deems it necessary.

2. **Date samples taken: construction has not started; expect to start January 1, 2006**

3. **Name of Laboratory certified by NJDEP to conduct all required analysis: Accutest, Dayton, NJ**

SECTION E

CERTIFICATION:

The information contained in this application is familiar to me and, to the best of my knowledge and belief, such information is true, complete and accurate.

Name of signing official: Frank V Cielo
Print Name

Title: Project Manager

Date: 1/13/06 Signature

James E. McGreevey
Governor

State of New Jersey
Department of Environmental Protection
Municipal Finance and Construction Element
Division of Water Quality
P.O. Box 425
Trenton, New Jersey 08625
Fax: (609) 633-8165
www.state.nj.us/dep/dwq

Bradley M. Campi
Commissioner

Public Service Enterprise Group
80 Park Plaza T17
Newark, NJ 07102

FEB 0 3 2004

Gentlemen:

There is enclosed a permit issued to you pursuant to Title 58 of the Revised Statutes of New Jersey and in consideration of your application received on 12/19/2003 signed by Raymond Tripodi, Manager, and Daniel T. Guest, P.E..

The permit is for the construction and operation of a sanitary sewer extension and force main to serve the PSEG Services Corporation former Harrison Manufactured Gas Plant (MGP) temporary groundwater recovery and treatment system, 2000 Frank E. Rodgers Boulevard, in the Town of Harrison, New Jersey and subject to the conditions as noted on the permit.

This approval is valid for a period of two (2) years from the issuance date, unless otherwise stated in the attached approval document. This approval shall expire unless building, installing or modifying of the treatment works has begun within the initial approval period. Treatment works approvals may be extended beyond the original two year approval date, to a maximum period of five years from the original issuance date, in accordance with the terms and conditions contained in N.J.A.C. 7:14A-22.12. A time extension request must be received by the Department prior to the permit's expiration date. Time extension requests shall be submitted to:

Bureau of Engineering North
Municipal Finance and Construction Element
P.O. Box 425
401 E. State St., 3rd Floor
Trenton, New Jersey 08625

If you have any questions regarding the permit, please contact Michael Talpas of this office by calling (609) 633-1180.

Sincerely,

James Pantazis FOR

Arthur A. Zoda, P.E., Chief
Construction Control Section
Bureau of Engineering North

04-0035
Enclosure
cc: MACTEC Engineering, Inc., Daniel T. Guest, P.E.
Passaic Valley Sewerage Commissioners
Town of Harrison

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
P.O. Box 402, TRENTON, NJ 08625-0402

PERMIT TO CONSTRUCT AND OPERATE* TREATMENT WORKS

**Local Agency approval required prior to operation*

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulation.

PERMIT NO.	ISSUANCE DATE	EXPIRATION DATE	DESIGN FLOW
04-0035	02/02/2004	02/01/2006	0.1 M.G.D.

NAME AND ADDRESS OF APPLICANT
Public Service Enterprise Group
80 Park Plaza T17
Newark NJ 07102

LOCATION OF ACTIVITY
Town of Harrison
Hudson County

This permit grants permission to:
Construct and operate a sanitary sewer extension and force main to serve the PSE&G Services Corporation temporary groundwater recovery and treatment system at the former Harrison MGP gas plant, 2000 Frank E. Rodgers Boulevard, Blocks 1 & 2, Lot 78,in the Town of Harrison, Hudson County, New Jersey.

According to the plans entitled:
That the Plans approved herein are entitled "PSEGSC Former Harrison Gas Plant, Harrison, NJ, Sewer Conveyance Plan", prepared, signed, and sealed by Daniel T. Guest, P.E., dated 12/2003, unrevised, sheet 1 of 1.

and according to the specifications entitled:
That the Specifications approved herein are entitled "Technical Specifications, Sanitary Sewer Construction for PSEG Services Corporation Former Harrison Gas Plant, Block 78, Lots 1 & 2, Town of Harrison", prepared, signed, and sealed by Daniel T. Guest, P.E., dated December 2003.

Prepared by	**APPROVED** by the Department of Environmental Protection
Michael Talpas	Stanley V. Cach, Jr., P.E., P.P., Chief
Supervising Environmental Engineer	Bureau of Engineering North

This permit is also subject to special provisos and general conditions stipulated on the three attached pages which are agreed to by the permittee upon acceptance of the permit.

PASSAIC VALLEY SEWERAGE COMM, Newark

TWA No. 04-0035
TWA040001 Stage 2 & 3 Treatment
Works Approval, Approved

PART I

PROVISOS

A. Project Specific Provisos

1. That pursuant to N.J.A.C. 7:10A-1 et. seq., an appropriate public wastewater collection system licensed operator will be required for your system.
2. That the proper operation and maintenance of the sewer system approved herein is the sole responsibility of the OWNER AND OR APPLICANT named herein or its assignees.
3. That except as provided in N.J.A.C. 7:14A-22.4, any future sewer connections into the sanitary sewer system approved herein will require a treatment works approval from the N.J.D.E.P.
4. The issuance of this permit does not exempt the applicant of the responsibility to comply with all other permitting and regulatory requirements of the Department's Land Use Regulation Program, as applicable.

B. Custom Requirement

1. That the sanitary sewer extension approved herein consists of 250 L.F. of 4-inch PVC Pipe.
2. That the Force Main approved herein consist of 250 L.F. of 4-inch PVC pipe.
3. That the design flow, 0.100 M.G.D. (100,000 gallons per day) is based on the project flow specified in P.V.S.C.'s "Consent For Sewer Connection Project" (Form SCC-03CID) dated December 11, 2003.

GENERAL CONDITIONS FOR TREATMENT WORKS APPROVALS

Section A. GENERAL CONDITIONS

1. This permit is revocable, or subject to modification or change, at any time, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary.

2. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application.

3. The works, facilities, and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and the said conditions.

4. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey.

5. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of property.

6. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.

7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.

8. No treatment unit or conveyance system may be by-passed which would result in the discharge of untreated sewage into any of the waters of the state.

9. The full responsibility for adequate design, construction and operation of the treatment works, and the full responsibility for successful collection, treatment, and discharge of pollutants shall be on the applicant.

10. The issuance of approval by the Department shall not relieve the applicant of the continuing responsibility for the successful collection, treatment, or discharge of pollutants for the continuing compliance with any applicable effluent limitations, permits, regulations, statute, or other law.

11. Review and approval is based solely upon the information contained in the application and the contents of the engineer's report as certified by the licensed professional engineer as being in compliance with the Department's Rules and Regulations.

Section B. CONSTRUCTION COMPLETION CERTIFICATION

1. Within 30 days of completion of the treatment works approved herein, the permittee shall submit two executed forms, WQM005 Certification of Approval, to the appropriate sewage treatment plant (STP) for their approval prior to operation. One executed copy approved by the receiving STP shall be forwarded to the appropriate Bureau and address noted on the cover page of this approval. Failure to submit the certification within 30 days of completion of the project may be grounds for revocation of the permit. Should partial operation be required prior to completion, approval will be under local jurisdiction.

2. In cases where the project and the receiving treatment facility are one in the same, the WQM005 Certification of Approval form must be submitted to the Bureau and address noted on the cover page of this approval within 30 days of completion of the treatment works. Failure to submit the certification within this time period may be grounds for revocation of the permit.

Section C. PERMIT EXPIRATION AND EXTENSIONS OF TIME

1. This permit shall remain in force for a period of only two years from the date of approval unless stated otherwise within the special provisos, or construction of said works has begun within the approved time frame. Interruption of construction of said works for a period of more than two years may serve as a basis for permit revocation.

2. Treatment works approvals may be extended beyond the original two year approval date, to a maximum of five years from the original issuance date, in accordance with the terms and conditions in N.J.A.C. 7:14A-22.12, unless stated otherwise within the special provisos. A time extension request must be received by the Department prior to the permit's expiration date. Requests must be submitted to the Bureau and address noted on the cover page.

Section D. ADJUDICATORY HEARING REQUESTS

1. Pursuant to N.J.A.C. 7:1C-1.9 et seq., any interested person who considers himself or herself aggrieved by this action, may, within 10 days of publication of notice of the decision in the DEP bulletin, request a hearing by addressing a written request for such hearing to the:

   Office of Legal Affairs
   Attention: Adjudicatory Hearing Requests
   Department of Environmental Protection
   P.O. Box 402
   Trenton, NJ 08625-0402

   Such a request should include a completed Administrative Hearing Request Checklist and Tracking form for Approvals or Denials, enclosed herein. This form is required, as DEP is the transmitting agency to the Office of Administrative Law, pursuant to N.J.A.C. 1:1-8.2.

WQM-005 Revision 09/2000

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER QUALITY
CN425
TRENTON, N.J. 08625-0425
TREATMENT WORKS APPROVAL PROGRAM

CERTIFICATION FOR APPROVAL BY PROFESSIONAL ENGINEER

Within 30 days after the construction of the treatment works has been completed, the permittee shall submit two executed copies of this form to the appropriate receiving wastewater treatment plant for their approval prior to operation. One executed copy approved by the receiving wastewater treatment plant shall be forwarded to the Division of Water Quality at the above noted address.

Treatment Works Approval Permit No.: _____

Name of Permittee: _____

Location of Activity: _____
(Municipality and County)

I hereby certify the treatment works identified above has been inspected and tested under my supervision. Construction was witnessed as required in the specifications.

The project was constructed in substantial conformance with the approved plans and specifications. Any minor exceptions to the approved plans and/or specifications are attached hereto with the approval of the permittee.

_____
Signature of Certifying Engineer

Professional Engineer's Embossed Seal

_____
Name and Date
(Print or Type)

RECEIVING WASTEWATER TREATMENT PLANT ACKNOWLEDGMENT

Name of Wastewater Treatment Plant _____

Acknowledgment by Wastewater Treatment Plant Owner* _____
(signature and date)

*Person authorized to sign section C of the NJDEP's WQM-003 Consent Form.

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID	FB-05/04/04-2		TB		FB-5/4/04		TB		FB050504		TB		FB050604	
Lab Sample ID	N66299-16		N66299-17		N66185-8		N66185-9		N66429-11		N66429-15		N66548-10	
Sample Collection Date	5/4/2004		5/4/2004		5/4/2004		5/4/2004		5/5/2004		5/5/2004		5/6/2004	
Matrix	Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q
GC/MS Volatiles														
1,1,1-Trichloroethane	<1		<1		<1		<1		<1		<1		<1	
1,1,2,2-Tetrachloroethane	<1		<1		<1		<1		<1		<1		<1	
1,1,2-Trichloroethane	<1		<1		<1		<1		<1		<1		<1	
1,1-Dichloroethane	<1		<1		<1		<1		<1		<1		<1	
1,1-Dichloroethene	<1		<1		<1		<1		<1		<1		<1	
1,2-Dichloroethane	<1		<1		<1		<1		<1		<1		<1	
1,2-Dichloropropane	<1		<1		<1		<1		<1		<1		<1	
2-Butanone (MEK)	<5		<5		<5		<5		<5		<5		<5	
2-Hexanone	<5		<5		<5		<5		<5		<5		<5	
4-Methyl-2-pentanone(MIBK)	<5		<5		<5		<5		<5		<5		<5	
Acetone	<5		<5		<5		<5		<5		<5		<5	
Benzene	<1		<1		<1		<1		<1		<1		<1	
Bromodichloromethane	<1		<1		<1		<1		<1		<1		<1	
Bromoform	<1		<1		<1		<1		<1		<1		<1	
Bromomethane	<1		<1		<1		<1		<1		<1		<1	
Carbon disulfide	<1		<1		<1		<1		<1		<1		<1	
Carbon tetrachloride	<1		<1		<1		<1		<1		<1		<1	
Chlorobenzene	<1		<1		<1		<1		<1		<1		<1	
Chloroethane	<1		<1		<1		<1		<1		<1		<1	
Chloroform	<1		<1		<1		<1		<1		<1		<1	
Chloromethane	<1		<1		<1		<1		<1		<1		<1	
cis-1,2-Dichloroethene	<1		<1		<1		<1		<1		<1		<1	
cis-1,3-Dichloropropene	<1		<1		<1		<1		<1		<1		<1	
Dibromochloromethane	<1		<1		<1		<1		<1		<1		<1	
Ethylbenzene	<1		<1		<1		<1		<1		<1		<1	
Methylene chloride	<1		<1		<1		<1		<1		<1		<1	
Styrene	<2		<2		<2		<2		<2		<2		<2	
Tetrachloroethene	<1		<1		<1		<1		<1		<1		<1	
Toluene	<1		<1		<1		<1		<1		<1		<1	
trans-1,2-Dichloroethene	<1		<1		<1		<1		<1		<1		<1	
trans-1,3-Dichloropropene	<1		<1		<1		<1		<1		<1		<1	
Trichloroethene	<1		<1		<1		<1		<1		<1		<1	
Vinyl chloride	<2		<2		<2		<2		<2		<2		<2	
Xylenes (total)	<1		<1		<1		<1		<1		<1		<1	
TOTAL TARGETED GC/MS Volatiles	0		0		0		0		0		0		0	
TOTAL NON-TARGETED GC/MS Volatiles	0		0		0		0		0		0		0	
TOTAL GC/MS Volatiles	0		0		0		0		0		0		0	

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID	FB-05/04/04-2		TB		FB-5/4/04		TB		FB050504		TB		FB050604	
Lab Sample ID	N66299-16		N66299-17		N66185-8		N66185-9		N66429-11		N66429-15		N66548-10	
Sample Collection Date	5/4/2004		5/4/2004		5/4/2004		5/4/2004		5/5/2004		5/5/2004		5/6/2004	
Matrix	Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q
GC/MS Semi-volatiles														
1,2,4-Trichlorobenzene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
1,2-Dichlorobenzene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
1,3-Dichlorobenzene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
1,4-Dichlorobenzene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2,4,5-Trichlorophenol	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2,4,6-Trichlorophenol	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2,4-Dichlorophenol	<5		NA		<5.9		NA		<5.3		NA		<5.6	
2,4-Dimethylphenol	<5		NA		<5.9		NA		<5.3		NA		<5.6	
2,4-Dinitrophenol	<20		NA		<24		NA		<21		NA		<22	
2,4-Dinitrotoluene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2,6-Dinitrotoluene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2-Chloronaphthalene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2-Chlorophenol	<2		NA		<2.4		NA		<5.3		NA		<2.2	
2-Methylnaphthalene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2-Methylphenol	<2		NA		<2.4		NA		<2.1		NA		<2.2	
2-Nitroaniline	<5		NA		<5.9		NA		<5.3		NA		<5.6	
2-Nitrophenol	<2		NA		<2.4		NA		<2.1		NA		<2.2	
3&4-Methylphenol	<2		NA		<5.9		NA		<5.3		NA		<5.6	
3,3'-Dichlorobenzidine	<2		NA		<2.4		NA		<2.1		NA		<2.2	
3-Nitroaniline	<5		NA		<5.9		NA		<5.3		NA		<5.6	
4,6-Dinitro-o-cresol	<10		NA		<12		NA		<11		NA		<11	
4-Bromophenyl phenyl ether	<2		NA		<2.4		NA		<2.1		NA		<2.2	
4-Chloro-3-methyl phenol	<2		NA		<2.4		NA		<5.3		NA		<2.2	
4-Chloroaniline	<2		NA		<2.4		NA		<2.1		NA		<2.2	
4-Chlorophenyl phenyl ether	<2		NA		<2.4		NA		<2.1		NA		<2.2	
4-Nitroaniline	<5		NA		<5.9		NA		<5.3		NA		<5.6	
4-Nitrophenol	<20		NA		<24		NA		<21		NA		<22	
Acenaphthene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Acenaphthylene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Anthracene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Benzo(a)anthracene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Benzo(a)pyrene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Benzo(b)fluoranthene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Benzo(g,h,i)perylene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Benzo(k)fluoranthene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
bis(2-Chloroethoxy)methane	<2		NA		<2.4		NA		<2.1		NA		<2.2	
bis(2-Chloroethyl)ether	<2		NA		<2.4		NA		<2.1		NA		<2.2	
bis(2-Chloroisopropyl)ether	<2		NA		<2.4		NA		<2.1		NA		<2.2	
bis(2-Ethylhexyl)phthalate	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Butyl benzyl phthalate	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Carbazole	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Chrysene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Dibenzo(a,h)anthracene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Dibenzofuran	<2		NA		<2.4		NA		<2.1		NA		<2.2	

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID	FB-05/04/04-2		TB		FB-5/4/04		TB		FB050504		TB		FB050604	
Lab Sample ID	N66299-16		N66299-17		N66185-8		N66185-9		N66429-11		N66429-15		N66548-10	
Sample Collection Date	5/4/2004		5/4/2004		5/4/2004		5/4/2004		5/5/2004		5/5/2004		5/6/2004	
Matrix	Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q
GC/MS Semi-volatiles Continued														
Diethyl phthalate	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Dimethyl phthalate	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Di-n-butyl phthalate	1.1	J	NA		<2.4		NA		<2.1		NA		<2.2	
Di-n-octyl phthalate	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Fluoranthene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Fluorene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Hexachlorobenzene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Hexachlorobutadiene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Hexachlorocyclopentadiene	<10		NA		<12		NA		<11		NA		<11	
Hexachloroethane	<5		NA		<5.9		NA		<5.3		NA		<5.6	
Indeno(1,2,3-cd)pyrene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Isophorone	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Naphthalene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Nitrobenzene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
N-Nitroso-di-n-propylamine	<2		NA		<2.4		NA		<2.1		NA		<2.2	
N-Nitrosodiphenylamine	<5		NA		<5.9		NA		<5.3		NA		<5.6	
Pentachlorophenol	<10		NA		<12		NA		<11		NA		<11	
Phenanthrene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Phenol	<2		NA		<2.4		NA		<2.1		NA		<2.2	
Pyrene	<2		NA		<2.4		NA		<2.1		NA		<2.2	
TOTAL TARGETED GC/MS Semi-volatiles	1.1		NA		0		NA		0		NA		0	
TOTAL NON-TARGETED GC/MS Semi-volatiles	11.9	J	NA		0		NA		0		NA		0	
TOTAL GC/MS Semi-volatiles	13		NA		0		NA		0		NA		0	
GC Volatiles (SW846 8015)														
Methane	0.18		NA		0.51		NA		0.25		NA		0.27	
TOTAL TARGETED GC Volatiles	0.18		NA		0.51		NA		0.25		NA		0.27	
Metals Analysis														
Antimony	<5.0		NA		<5.0		NA		<5.0		NA		<5.0	
Arsenic	<5.0		NA		<5.0		NA		<5.0		NA		<5.0	
Beryllium	<5.0		NA		<5.0		NA		<5.0		NA		<5.0	
Cadmium	<4.0		NA		<4.0		NA		<4.0		NA		<4.0	
Chromium	<10		NA		<10		NA		<10		NA		<10	
Copper	<25		NA		<25		NA		<25		NA		<25	
Iron	<100		NA		NA		NA		<100		NA		<100	
Lead	<3.0		NA		<3.0		NA		<3.0		NA		<3.0	
Mercury	<0.20		NA		<0.20		NA		<0.20		NA		<0.20	
Nickel	<40		NA		<40		NA		<40		NA		<40	
Selenium	<5.0		NA		<5.0		NA		<5.0		NA		<5.0	
Silver	<10		NA		<10		NA		<10		NA		<10	
Thallium	<10		NA		<10		NA		<10		NA		<10	
Zinc	<20		NA		<20		NA		<20		NA		<20	

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID	FB-05/04/04-2		TB		FB-5/4/04		TB		FB050504		TB		FB050604	
Lab Sample ID	N66299-16		N66299-17		N66185-8		N66185-9		N66429-11		N66429-15		N66548-10	
Sample Collection Date	5/4/2004		5/4/2004		5/4/2004		5/4/2004		5/5/2004		5/5/2004		5/6/2004	
Matrix	Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water		Trip Blank Water		Field Blank Water	
Units	ug/l		ug/l		ug/l		ug/l		ug/l		ug/l		ug/l	
	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q	CONC	Q
General Chemistry														
Alkalinity, Total as CaCO3	<5.0		NA		<5.0		NA		<5.0		NA		<5.0	
Chloride	<20		NA		<20		NA		<20		NA		<20	
Cyanide	<0.010		NA		<0.010		NA		<0.010		NA		<0.010	
Hydrogen Sulfide	<2.0		NA		<2.0		NA		<2.0		NA		<2.0	
Iron, Ferric	<0.20		NA		<0.20		NA		<0.20		NA		<0.20	
Iron, Ferrous	<0.10		NA		<0.10		NA		<0.10		NA		<0.10	
Nitrogen, Ammonia	<0.10		NA		<0.10		NA		<0.10		NA		<0.10	
Nitrogen, Nitrate	<0.11		NA		<0.11		NA		<0.11		NA		<0.11	
Nitrogen, Nitrate + Nitrite	<0.10		NA		<0.10		NA		<0.10		NA		<0.10	
Nitrogen, Nitrite	<0.010		NA		<0.010		NA		<0.010		NA		<0.010	
Phosphate, Ortho	<0.050		NA		<0.050		NA		<0.050		NA		<0.050	
Phosphorus, Total	<0.050		NA		<0.050		NA		<0.050		NA		<0.050	
Plate Count, Total (CFU/ml)	10		NA		535		NA		0		NA		0	
Solids, Total Dissolved	<10		NA		<10		NA		<10		NA		<10	
Sulfate	<20		NA		<20		NA		<20		NA		<20	
Sulfide	<2.0		NA		<2.0		NA		<2.0		NA		<2.0	
Total Organic Carbon	<1.0		NA		<1.0		NA		<1.0		NA		<1.0	
Weak Acid Dissociable Cn	<0.010		NA		<0.010		NA		<0.010		NA		<0.010	
Field Data														
Specific Conductivity (Field)	NA		NA		NA		NA		NA		NA		NA	
pH (Field) (su)	NA		NA		NA		NA		NA		NA		NA	
Temperature (Field) (Deg. C)	NA		NA		NA		NA		NA		NA		NA	

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID	TRIP BLANK		FB050704		TRIP BLANK	
Lab Sample ID	N66548-16		N66629-1		N66629-12	
Sample Collection Date	5/6/2004		5/7/2004		5/7/2004	
Matrix	Trip Blank Water		Field Blank Water		Trip Blank Water	
Units	ug/l		ug/l		ug/l	
	CONC	Q	CONC	Q	CONC	Q
GC/MS Volatiles						
1,1,1-Trichloroethane	<1		<1		<1	
1,1,2,2-Tetrachloroethane	<1		<1		<1	
1,1,2-Trichloroethane	<1		<1		<1	
1,1-Dichloroethane	<1		<1		<1	
1,1-Dichloroethene	<1		<1		<1	
1,2-Dichloroethane	<1		<1		<1	
1,2-Dichloropropane	<1		<1		<1	
2-Butanone (MEK)	<5		<5		<5	
2-Hexanone	<5		<5		<5	
4-Methyl-2-pentanone(MIBK)	<5		<5		<5	
Acetone	<5		<5		<5	
Benzene	<1		<1		<1	
Bromodichloromethane	<1		<1		<1	
Bromoform	<1		<1		<1	
Bromomethane	<1		<1		<1	
Carbon disulfide	<1		<1		<1	
Carbon tetrachloride	<1		<1		<1	
Chlorobenzene	<1		<1		<1	
Chloroethane	<1		<1		<1	
Chloroform	<1		<1		<1	
Chloromethane	<1		<1		<1	
cis-1,2-Dichloroethene	<1		<1		<1	
cis-1,3-Dichloropropene	<1		<1		<1	
Dibromochloromethane	<1		<1		<1	
Ethylbenzene	<1		<1		<1	
Methylene chloride	<1		<1		<1	
Styrene	<2		<2		<2	
Tetrachloroethene	<1		<1		<1	
Toluene	<1		<1		<1	
trans-1,2-Dichloroethene	<1		<1		<1	
trans-1,3-Dichloropropene	<1		<1		<1	
Trichloroethene	<1		<1		<1	
Vinyl chloride	<2		<2		<2	
Xylenes (total)	<1		<1		<1	
TOTAL TARGETED GC/MS Volatiles	0		0		0	
TOTAL NON-TARGETED GC/MS Volatiles	0		0		0	
TOTAL GC/MS Volatiles	0		0		0	

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID Lab Sample ID Sample Collection Date Matrix Units	TRIP BLANK N66548-16 5/6/2004 Trip Blank Water ug/l CONC Q	FB050704 N66629-1 5/7/2004 Field Blank Water ug/l CONC Q	TRIP BLANK N66629-12 5/7/2004 Trip Blank Water ug/l CONC Q
GC/MS Semi-volatiles			
1,2,4-Trichlorobenzene	NA	<2.2	NA
1,2-Dichlorobenzene	NA	<2.2	NA
1,3-Dichlorobenzene	NA	<2.2	NA
1,4-Dichlorobenzene	NA	<2.2	NA
2,4,5-Trichlorophenol	NA	<2.2	NA
2,4,6-Trichlorophenol	NA	<2.2	NA
2,4-Dichlorophenol	NA	<5.6	NA
2,4-Dimethylphenol	NA	<5.6	NA
2,4-Dinitrophenol	NA	<22	NA
2,4-Dinitrotoluene	NA	<2.2	NA
2,6-Dinitrotoluene	NA	<2.2	NA
2-Chloronaphthalene	NA	<2.2	NA
2-Chlorophenol	NA	<2.2	NA
2-Methylnaphthalene	NA	<2.2	NA
2-Methylphenol	NA	<2.2	NA
2-Nitroaniline	NA	<5.6	NA
2-Nitrophenol	NA	<2.2	NA
3&4-Methylphenol	NA	<5.6	NA
3,3'-Dichlorobenzidine	NA	<2.2	NA
3-Nitroaniline	NA	<5.6	NA
4,6-Dinitro-o-cresol	NA	<11	NA
4-Bromophenyl phenyl ether	NA	<2.2	NA
4-Chloro-3-methyl phenol	NA	<2.2	NA
4-Chloroaniline	NA	<2.2	NA
4-Chlorophenyl phenyl ether	NA	<2.2	NA
4-Nitroaniline	NA	<5.6	NA
4-Nitrophenol	NA	<22	NA
Acenaphthene	NA	<2.2	NA
Acenaphthylene	NA	<2.2	NA
Anthracene	NA	<2.2	NA
Benzo(a)anthracene	NA	<2.2	NA
Benzo(a)pyrene	NA	<2.2	NA
Benzo(b)fluoranthene	NA	<2.2	NA
Benzo(g,h,i)perylene	NA	<2.2	NA
Benzo(k)fluoranthene	NA	<2.2	NA
bis(2-Chloroethoxy)methane	NA	<2.2	NA
bis(2-Chloroethyl)ether	NA	<2.2	NA
bis(2-Chloroisopropyl)ether	NA	<2.2	NA
bis(2-Ethylhexyl)phthalate	NA	<2.2	NA
Butyl benzyl phthalate	NA	<2.2	NA
Carbazole	NA	<2.2	NA
Chrysene	NA	<2.2	NA
Dibenzo(a,h)anthracene	NA	<2.2	NA
Dibenzofuran	NA	<2.2	NA

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID	TRIP BLANK		FB050704		TRIP BLANK	
Lab Sample ID	N66548-16		N66629-1		N66629-12	
Sample Collection Date	5/6/2004		5/7/2004		5/7/2004	
Matrix	Trip Blank Water		Field Blank Water		Trip Blank Water	
Units	ug/l		ug/l		ug/l	
	CONC	Q	CONC	Q	CONC	Q
GC/MS Semi-volatiles Continued						
Diethyl phthalate	NA		<2.2		NA	
Dimethyl phthalate	NA		<2.2		NA	
Di-n-butyl phthalate	NA		<2.2		NA	
Di-n-octyl phthalate	NA		<2.2		NA	
Fluoranthene	NA		<2.2		NA	
Fluorene	NA		<2.2		NA	
Hexachlorobenzene	NA		<2.2		NA	
Hexachlorobutadiene	NA		<2.2		NA	
Hexachlorocyclopentadiene	NA		<11		NA	
Hexachloroethane	NA		<5.6		NA	
Indeno(1,2,3-cd)pyrene	NA		<2.2		NA	
Isophorone	NA		<2.2		NA	
Naphthalene	NA		<2.2		NA	
Nitrobenzene	NA		<2.2		NA	
N-Nitroso-di-n-propylamine	NA		<2.2		NA	
N-Nitrosodiphenylamine	NA		<5.6		NA	
Pentachlorophenol	NA		<11		NA	
Phenanthrene	NA		<2.2		NA	
Phenol	NA		<2.2		NA	
Pyrene	NA		<2.2		NA	
TOTAL TARGETED GC/MS Semi-volatiles	NA		0		NA	
TOTAL NON-TARGETED GC/MS Semi-volatiles	NA		0		NA	
TOTAL GC/MS Semi-volatiles	NA		0		NA	
GC Volatiles (SW846 8015)						
Methane	NA		0.18		NA	
TOTAL TARGETED GC Volatiles	NA		0.18		NA	
Metals Analysis						
Antimony	NA		<5.0		NA	
Arsenic	NA		<5.0		NA	
Beryllium	NA		<5.0		NA	
Cadmium	NA		<4.0		NA	
Chromium	NA		<10		NA	
Copper	NA		<25		NA	
Iron	NA		<100		NA	
Lead	NA		<3.0		NA	
Mercury	NA		<0.20		NA	
Nickel	NA		<40		NA	
Selenium	NA		<5.0		NA	
Silver	NA		<10		NA	
Thallium	NA		<10		NA	
Zinc	NA		<20		NA	

TABLE 2
MAY 2004 GROUND WATER ANALYTICAL RESULTS
PSEG, FORMER HARRISON GAS PLANT
HARRISON, NEW JERSEY

Client Sample ID	TRIP BLANK		FB050704		TRIP BLANK	
Lab Sample ID	N66548-16		N66629-1		N66629-12	
Sample Collection Date	5/6/2004		5/7/2004		5/7/2004	
Matrix	Trip Blank Water		Field Blank Water		Trip Blank Water	
Units	ug/l		ug/l		ug/l	
	CONC	Q	CONC	Q	CONC	Q
General Chemistry						
Alkalinity, Total as CaCO3	NA		<5.0		NA	
Chloride	NA		<20		NA	
Cyanide	NA		<0.010		NA	
Hydrogen Sulfide	NA		<2.0		NA	
Iron, Ferric	NA		<0.20		NA	
Iron, Ferrous	NA		<0.10		NA	
Nitrogen, Ammonia	NA		<0.10		NA	
Nitrogen, Nitrate	NA		<0.11		NA	
Nitrogen, Nitrate + Nitrite	NA		<0.10		NA	
Nitrogen, Nitrite	NA		<0.010		NA	
Phosphate, Ortho	NA		<0.050		NA	
Phosphorus, Total	NA		<0.050		NA	
Plate Count, Total (CFU/ml)	NA					
Solids, Total Dissolved	NA		<10		NA	
Sulfate	NA		<20		NA	
Sulfide	NA		<2.0		NA	
Total Organic Carbon	NA		<1.0		NA	
Weak Acid Dissociable Cn	NA		<0.010		NA	
Field Data						
Specific Conductivity (Field)	NA		NA		NA	
pH (Field) (su)	NA		NA		NA	
Temperature (Field) (Deg. C)	NA		NA		NA	

Passaic Valley
Sewerage Commissioners

~Established 1902~

600 WILSON AVENUE
NEWARK, NJ 07105
(973) 344-1800
Fax: (973) 344-2951
www.pvsc.com

RECEIPT

Received From PSEG.

Amount of Payment $ 950.00 **Date of Payment** 1/23/06

A/ Violation (VIO) – Effluent _____ **$** _____

B/ Violation (VIO) – Late Report _____ **$** _____

C/ Civil Actions (LEGAL) _____ **$** _____

D/ Application Fee (AF) _____ **$** 750.00

E/ Letter of Authorization Fee (LOA) _____ **$** 200.00

F/ Permit Fee (PF) _____ **$** _____

G/ CID Treatment Fee (CID) _____ **$** _____

H/ Supplemental User Charge Fee (SUC) _____ **$** _____

I/ Other (FEES) _____ **$** _____

Payment received by:

Signature _____

Amount 950.00 **Date** 1/23/06

S2020

Vendor No. 000106674 PASSAIC VALLEY SEWERAGE			Check Date 01/19/2006		Check Number 6100037632
Invoice Date	Description	Document No.	Gross Amount	Discount	Net Amount
12/12/2005 060113	PVSC PERMIT APPLICATION FEE - HARRISON	1900000102	950.00		950.00
			950.00		950.00

REMOVE CHECK ALONG THIS PERFORATION

THIS CHECK IS PRINTED IN TWO COLORS. DO NOT ACCEPT UNLESS BLUE AND BROWN ARE PRESENT.

PSEG

PSEG Services
P.O. BOX 330
NEWARK, N.J. 07101

First Union Bank of Delaware
Wilmington DE

Check Date 01/19/2006 | Check Number 6100037632

Check Amount **********$950.00

Pay
Nine hundred fifty and 00/100 Dollars
TO THE ORDER OF
PASSAIC VALLEY SEWERAGE COMMISSIONERS
600 WILSON AVE
NEWARK NJ 07105

A. Rostami
AUTHORIZED SIGNATURE

⑈6100037632⑈ ⑆031100225⑆ 2079950065658⑈

SEE REVERSE SIDE FOR OPENING INSTRUCTIONS

PSEG
PO BOX 330
NEWARK, NEW JERSEY 07101

ADDRESS SERVICE REQUESTED

PASSAIC VALLEY SEWERAGE
COMMISSIONERS
600 WILSON AVE
NEWARK NJ 07105

Environment, Health & Safety
80 Park Plaza, T17A, Newark, NJ 07102-4194
tel: 973.430.7000

PSEG
Services Corporation

January 19,2006

VIA OVERNIGHT MAIL

Mr. Andrew Caltagirone
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, New Jersey 07105

INDUSTRIAL 116-56
81100___ 81150___ 81200___
JAN 23 2006
81250___ 82050___ 82100___

Re: PSE&G Former Harrison Gas Works Site
2000 Frank Rodgers Blvd.
Harrison, Hudson County, New Jersey
Contract Indirect Discharge Agreement

Dear Mr. Caltagirone:

Enclosed please find two (2) executed copies of the Contract Indirect Discharge Agreement for the subject Site. In addition please find Check Number 6100037632 in the amount of $950.00. Please note that PSE&G is reactivating remedial activities on this Site. Previous remedial activities were conducted under discharge permit #13630001-1 terminated in 2004.

Please contact me at 973-430-7816 if you have any questions.

Sincerely,

Frank V. Cielo
Project Manager

Enclosures
C: Raymond Tripodi

95-1309